



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Approve plans and specifications and authorize advertisement for bids for one (1) digital micro-ohm meter (\$12,000) (EUD)

MEETING DATE: May 4, 2005

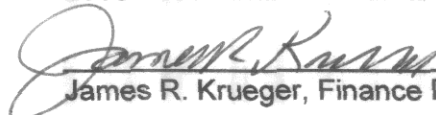
PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the plans and specifications for one (1) digital micro-ohm meter and authorize advertising for bids.

BACKGROUND INFORMATION: The Electric Utility substations have approximately 80 high voltage circuit breakers. The circuit breakers have moving contacts, which open and close to make and break the circuits. When circuit breakers open they interrupt a high current, which erodes the contact surfaces. These operations can cause the contacts to wear and overtime fail. The way to check the contacts is with a low resistance Ohmmeter. The tester now in use is a 10-amp model. The required method is now to test all contacts and substation busbars at 100 amps. The existing tester is not able to test the contacts to I.E.E.E. (Institute of Electrical and Electronics Engineers) and N.E.T.A. (International Electrical Testing Association) and Manufacture specifications.

FISCAL IMPACT: Equipment is currently included in the Budget and will result in more efficient operations.

FUNDING: 2003-2005 Financial Plan and Budget PE4 & E49


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